

THE CERES S'COOL PROJECT

STUDENTS' CLOUD OBSERVATIONS ON-LINE

Français | Español | Deutsch

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SSAI**



CERES Science Team Meeting
Newport News, VA
May, 2008

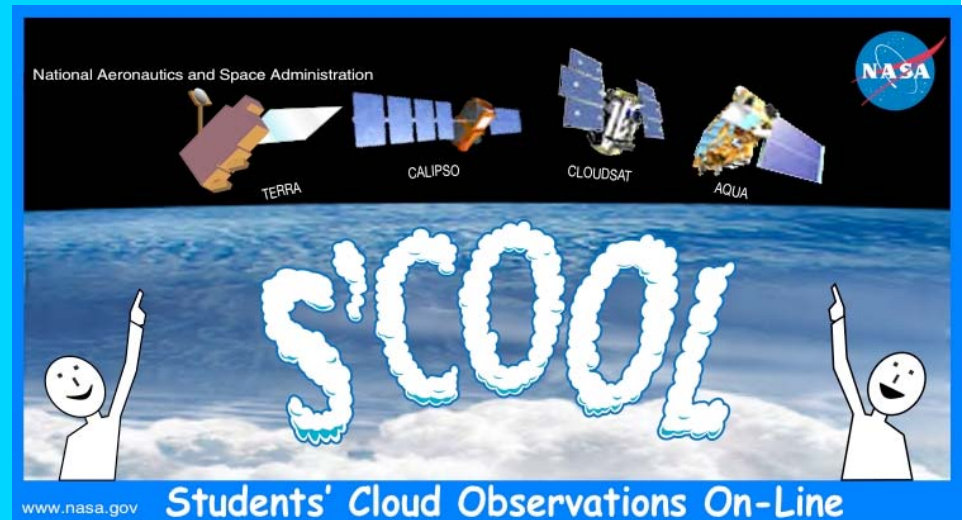


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What is S'COOL?

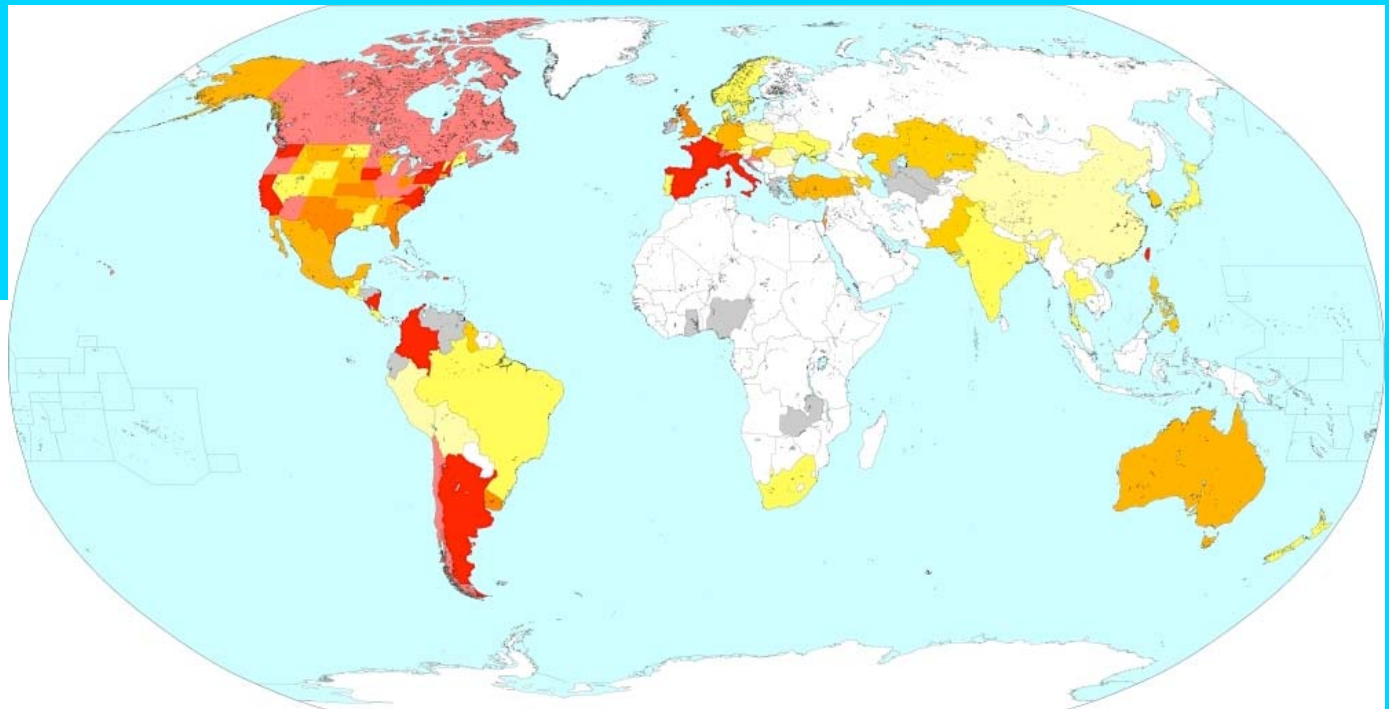
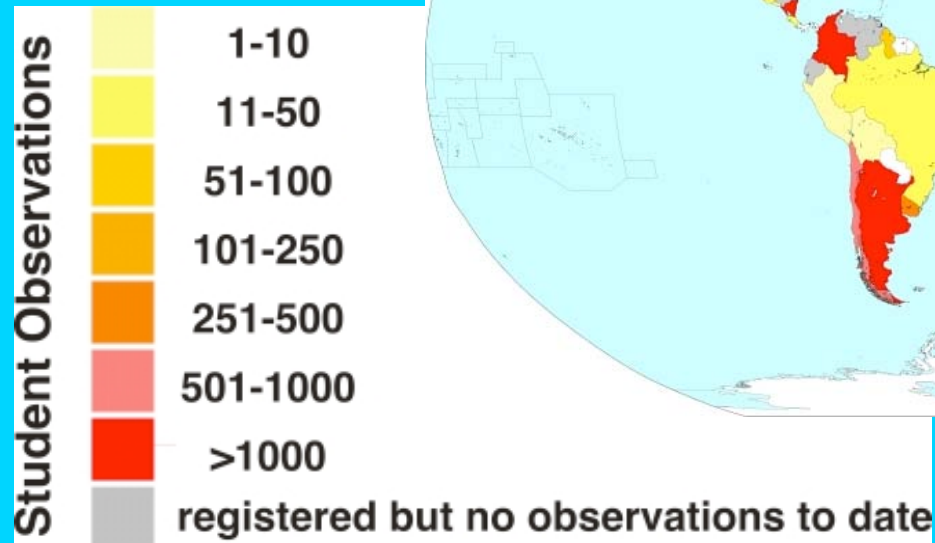
- Education and Public Outreach arm of CERES
- Backbone of Terra/Aqua formal education effort
- A simple way to involve K-12 students in authentic science
- A source of validation data for the CERES cloud retrievals

<http://scool.larc.nasa.gov>



S'COOL Project

- > 69,000 observations from 53 countries and all 50 states
- 43 % from outside the US (80% US participants)
- > 2,450 registered participants from 74 countries





Map as of Nov. 2007

Impact Measures

- ~160 requests for S'COOL materials since Nov. 2007 (2.5 times the historical rate!)

States "Top Five"

▪PA	21%
▪VA	10%
▪PR	6%
▪CA 	5%
▪NH 	5%

*Small
Changes*

Countries "Top Five"

▪US	57%
▪Colombia	11% 
▪France	7%
▪Argentina	6%
▪Taiwan	4%

States "Bottom Five"

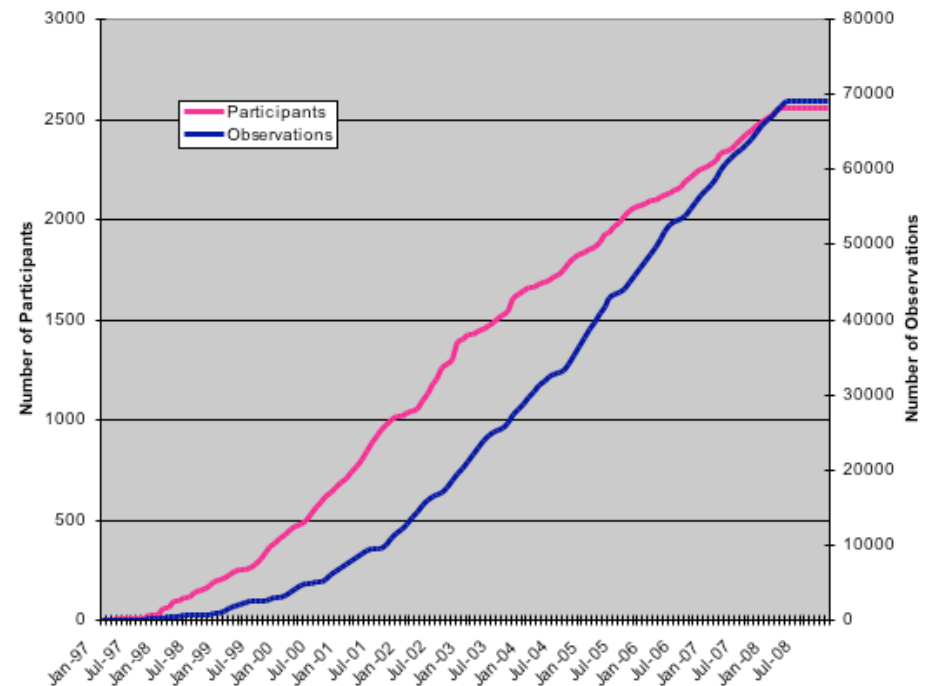
▪DC	12
▪Virgin Islands	9
▪Guam	6
▪Delaware	4
▪Northern Marianas	0

Vermont moved out
of the bottom 5

Impact Measures (cont'd)

Database of observations - as of Apr. 29, 2008

- > 36,500 satellite correspondences (665 match both)
 - For 53% of ground observations
- >2,450 registered participants
 - 38% submitted data
- 74 countries
 - data from 53 countries (72%)



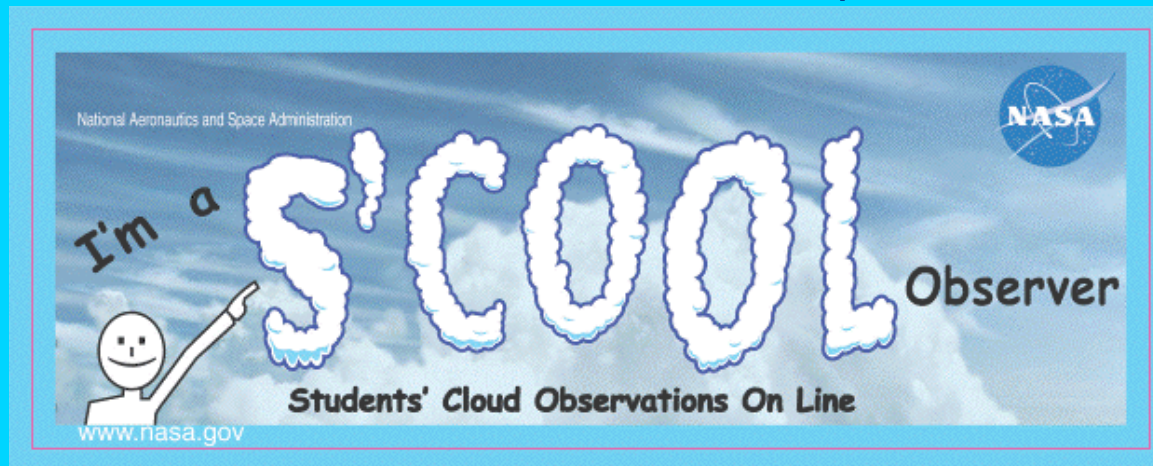
S'COOL Presentations Since November 2007

- Fall AGU, San Francisco
- AMS Annual Mtg, New Orleans
- Virginia Society for Technology Education, Roanoke, VA
- National Science Teachers Association National Conference, Boston
- EarthFest event at CNU, Newport News




S'COOL in the Field


- Teacher Ambassador presentations:
 - Sally Ride Science Festival (Phoenix, AZ, S. DeVeau)
 - K-12 Teacher Workshop for Eastern Long Island teachers (Upton, NY, S. Frank)
 - Ohio State Technology Conference (Columbus, OH, S. Kershner)



New to S'COOL: Roving Observations

 NATIONAL AERONAUTICS
AND SPACE ADMINISTRATION

FIND IT @ S'COOL



[Home](#) | [When to Observe](#) | [What to Observe](#) | [Report Form](#) | [Database](#)

Roving Cloud Observations for S'COOL

Welcome to NASA Langley Research Center's cloud observation project, S'COOL. This site provides all the information that you need to make and report a cloud observation at a non-permanent (i.e., roving) observation site. We welcome observations from any interested observers, especially from places where official weather observations are few and far between.

Follow the links above to get satellite overpass times, learn about making observations, report an observation, and explore the database of reported observations (which will include corresponding satellite data once they are available).

View a [Tutorial](#) to help you get started.

For permanent, school or museum-based observation sites, please visit the main web page for the project, [Students' Cloud Observations On-Line](#).

<http://asd-www.larc.nasa.gov/Rover>

S'COOL Needs YOU!

- **Participants in every state and >70 countries**
 - Offer to serve as a **resource** to a local teacher
 - Arrange a **S'COOL** visit when traveling
 - Provide **S'COOL** info to teachers you know
- **Presentation materials available**, with script suggestions
- **Help with translation of materials**
- **Serve as resource for scientific content questions sent in by participants**